

[Yaskawa – Solectria Solar](#), a wholly-owned subsidiary of Yaskawa America, Inc., is the largest commercial inverter manufacturer in the U.S. Solectria’s products include 3.8 to 750 kW inverters, string combiners and web-based monitoring for all size solar systems. We offer a friendly work environment, great benefits, the ability to work with cutting edge technology and the chance to work with an innovative and dynamic team. We are conveniently located off I-495 in the Riverwalk complex. To apply for this or any other position, e-mail your resume to [hr@solectria.com](mailto:hr@solectria.com)

## POSITION DESCRIPTION

TITLE: **Test Engineer - Validation**  
SUPERVISOR: **Design Validation Manager**  
CLASSIFICATION: **Exempt, Full-Time**  
LOCATION: **Lawrence, MA**

---

## DUTIES:

1. Design and develop complex software in VB or #C to control automated test equipment to perform compliance and reliability tests for inverters.
2. Design test hardware to support testing inverters and associated sub-systems.
3. Develop manual test setups and draft procedures for testing Inverters and associated sub-systems in a fast paced environment
4. Compile, assess and analyze test data to understand failure modes and drive correction actions
5. Responsible for the test results platform, provide certified test reports to customers
6. Suggest new processes to enhance overall yield, increase throughput
7. Participate in PFMEA activities for new inverter designs
8. Other duties as assigned

## REQUIREMENTS:

1. At least two years experience developing software in Visual Studio (VB, C++ or #C) to control the hardware (prefer automated test equipment)
2. Experience with SQL, MySQL server or Microsoft Access a plus
3. BSEE, BSCE or related discipline with 3+ years related experience OR MSEE, MSCE or related discipline with 1+ years related experience
4. Experience with automated test equipment design and development
5. Experience with analog, digital and power electronic and PCB design
6. Self-driven and able to maintain own schedule and multi-task
7. Able to work in a fast paced team oriented environment and must be a good team player.
8. The candidate must possess excellent oral and written communication skills